

p243 16-38 EVEN

16. $6a^2b^2 + 18ab^3$
 $6ab^2(a + 3b)$

(18) prime

20. $3ax - 15a + x - 5$

$3a(x - 5) + 1(x - 5)$
 $(3a + 1)(x - 5)$

(22) $y^2 - 5y + 4$

$(y - 4)(y - 1)$

~~$\begin{array}{cc} 4 & -1 \\ -4 & -5 \end{array}$~~

24. $2b^2 + 13b - 7$

$2b^2 + 14b - b - 7$

$2b(b + 7) - 1(b + 7)$

$(2b - 1)(b + 7)$

~~$\begin{array}{cc} -14 & -1 \\ 14 & 13 \end{array}$~~

(26) $12m^2 - m - 6$

$12m^2 - 9m + 8m - 6$

$3m(4m - 3) + 2(4m - 3)$

$(3m + 2)(4m - 3)$

~~$\begin{array}{cc} -12 & -1 \\ -9 & 8 \end{array}$~~

28. $3z^2 + 24z + 45$

$3(z^2 + 8z + 15)$

$3(z + 3)(z + 5)$

~~$\begin{array}{cc} 15 & 5 \\ 3 & 8 \end{array}$~~

(30) $x^2 - 6x + 9$

$(x - 3)^2$

32. $3m^2 - 3n^2$

$3(m^2 - n^2)$

$3(m + n)(m - n)$

(34) $3x^2 - 27y^2$

$3(x^2 - 9y^2)$

$3(x + 3y)(x - 3y)$

(36) $t^3 - 8$

$(t - 2)(t^2 + 2t + 4)$